

# INTERNATIONAL SEARCH REPORT

Inter nal Application No  
PCT/GB2004/004009

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F04C29/00 F04C29/10 F04C25/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F04C F04D H01L C23C F04B H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 316 045 B1 (BERNARD ROLAND ET AL) 13 November 2001 (2001-11-13)	1-6, 12-14, 17 7, 11, 16
Y	figure 1 column 2, line 27 - line 36 column 4, line 63 - column 5, line 2 column 5, line 53 - column 6, line 20 column 7, line 27 - line 35	
Y	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03, 28 April 1995 (1995-04-28) & JP 06 342785 A (FUJITSU LTD), 13 December 1994 (1994-12-13) abstract	7, 11
A	figure 1 ----- -/-	2, 4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

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- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

30 November 2004

Date of mailing of the international search report

17/12/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/034880 A1 (OHIWA TOKUHISA ET AL) 21 March 2002 (2002-03-21)	16
A	figure 18 paragraph '0141! - paragraph '0146! paragraph '0168! - paragraph '0174! -----	1-4, 17
A	EP 0 320 956 A (HITACHI LTD) 21 June 1989 (1989-06-21) figures 1, 4, 6 column 1, line 30 - line 42 column 2, line 18 - line 35 column 3, line 52 - line 55 column 5, line 39 - column 6, line 40 column 7, line 13 - line 16 -----	1, 17
A	US 6 224 326 B1 (PUECH MICHEL) 1 May 2001 (2001-05-01) figure 1 column 1, line 29 - line 43 column 4, line 19 - line 63 claim 10 -----	1, 17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6316045	B1	13-11-2001	FR 2808098 A1 26-10-2001
			EP 1190285 A1 27-03-2002
			WO 0182019 A1 01-11-2001
			JP 2003532283 T 28-10-2003
			US 2002022283 A1 21-02-2002
			US 2002153102 A1 24-10-2002
JP 06342785	A	13-12-1994	JP 3013652 B2 28-02-2000
US 2002034880	A1	21-03-2002	JP 2002100608 A 05-04-2002
			JP 2002217166 A 02-08-2002
EP 0320956	A	21-06-1989	JP 1163492 A 27-06-1989
			JP 2515831 B2 10-07-1996
			DE 3879423 D1 22-04-1993
			DE 3879423 T2 24-06-1993
			EP 0320956 A2 21-06-1989
			KR 9306375 B1 14-07-1993
			US 4984974 A 15-01-1991
US 6224326	B1	01-05-2001	FR 2783883 A1 31-03-2000
			EP 0985828 A1 15-03-2000